



|   |  |                       |
|---|--|-----------------------|
| Form 1449*  | Atty. Docket No.: H16-215538<br>(256.049US1) | Serial No. 09/751,955 |
| INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT<br>(Use several sheets if necessary) | Applicant: Pamela Anne Binns                 |                       |
|   | Filing Date: December 29, 2000               | Group: Unknown        |

U. S. PATENT DOCUMENTS

| **Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|--------------------|-----------------|------|------|-------|----------|----------------------------|
|                    |                 |      |      |       |          |                            |

FOREIGN PATENT DOCUMENTS

| **Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation Yes   No |
|--------------------|-----------------|------|---------|-------|----------|----------------------|
|                    |                 |      |         |       |          |                      |

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

|   |  |
|---|--|
| M | Audsley, N.C., et al., "Fixed Priority Pre-emptive Scheduling: An Historical Perspective", <u>Real-Time Systems</u> , 8, Kluwer Academic Publishers, Boston, pp. 173-198, (1995)                                     |
|   | Bettati, R., et al., "End-to-End Scheduling to Meet Deadlines in Distributed Systems", <u>Proceedings of the 12th International Conference on Distributed Computing Systems</u> , Yokohama, Japan, 8 p., (June 1992) |
|   | Binns, P., "Incremental Rate Monotonic Scheduling for Improved Control System Performance", <u>Real-Time Applications Symposium</u> , Honeywell Technology Center, 11 p., (June 1997)                                |
|   | Binns, P., "Scheduling Slack in MetaH", <u>Real-Time Systems Symposium, Work in Progress Session</u> , Honeywell Technology Center, 4 p., (Dec. 1996)  |
|   | Garcia, J.J., et al., "Optimized Priority Assignment for Tasks and Messages in Distributed Hard Real-Time Systems", <u>IEEE</u> , pp. 124-132, (1995)  |
|   | Gerber, R., et al., "Semantics-Based Compiler Transformations for Enhanced Schedulability", <u>IEEE</u> , pp. 232-242, (1993)  |
|   | Gertz, M.W., et al., "A Human-Machine Interface to Support Reconfigurable Software Assembly for Virtual Laboratories", <u>IEEE Robotics and Automation Magazine</u> , 1 (4), pp. 1-8, (Dec. 1994)                    |
|   | Gillies, D.W., et al., "Scheduling Tasks with and/or Precedence Constraints", <u>SIAM J. Comput.</u> , 24 (4), Society for Industrial and Applied Mathematics, pp. 797-810, (Aug. 1995)                              |
|   | Harbour, M.G., et al., "Fixed Priority Scheduling of Periodic Tasks with Varying Execution Priority", <u>IEEE</u> , pp. 116-128, (1991)  |
| P | Lehoczky, J., et al., "The Rate Monotonic Scheduling Algorithm: Exact Characterization And Average Case Behavior", <u>IEEE</u> , pp. 166-171, (1989)   |

Examiner

R. P. Binns

Date Considered

9/26/04

\*Substitute Disclosure Statement Form (PTO-1449)

\*\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



|   |  |                       |
|---|--|-----------------------|
| Form 1449*  | Atty. Docket No.: H16-215538<br>(256.049US1) | Serial No. 09/751,955 |
| INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT<br>(Use several sheets if necessary) | Applicant: Pamela Anne Binns                 |                       |
|   | Filing Date: December 29, 2000               | Group: Unknown        |

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

\*\*Examiner  
Initial

|  |   |
|--|---|
|  | Lehoczky, J.P., et al., "An Optimal Algorithm for Scheduling Soft-Aperiodic Tasks in Fixed-Priority Preemptive Systems", <u>IEEE</u> , pp. 110-123, (1992)  |
|  | Lehoczky, J.P., et al., "Enhanced Aperiodic Responsiveness in Hard Real-Time Environments", <u>IEEE</u> , pp. 261-270, (1987)   |
|  | Leung, J.Y., et al., "On the Complexity of Fixed-Priority Scheduling of Periodic, Real-Time Tasks", <u>Performance Evaluation 2</u> , North-Holland Publishing Company, pp. 237-250, (1982)                   |
|  | Liu, C.L., et al., "Scheduling Algorithms for Multiprogramming in a Hard-Real-Time Environment", <u>Journal of the Association for Computing Machinery</u> , 20, (1), pp. 46-61, (Jan. 1973)                  |
|  | Luqi, "Real-Time Constraints In a Rapid Prototyping Language", <u>Computer Lang.</u> , 18 (2), Computer Science Department, Naval Postgraduate School, Monterey, CA, pp. 77-103, (1993)                       |
|  | McConnell, D.J., et al., "Reengineering a Single Threaded Embedded Missile Application Onto a Parallel Processing Platform Using MetaH", <u>IEEE, Proceedings of the 4th WPDRTS</u> , pp. 57-64, (1996)       |
|  | Mok, A.K., et al., "Synthesis of a Real-Time Message Processing System with Data-driven Timing Constraints", <u>IEEE</u> , pp. 133-143, (1987)  |
|  | Penix, J., et al., "Verification of Time Partitioning in the DEOS Scheduler Kernel", <u>The 22nd International Conference on Software Engineering</u> , Limeric, Ireland, ACM Press, pp. 1-10, (June 4, 2000) |
|  | Sakseña, M., et al., "Design and Implementation of Maruti-II", <u>In: Principles of Real-Time Systems, Chapter 4</u> , Sang Son, Ed., pp. 72-102, (1994)  |
|  | Sakseña, M., et al., "Guidelines for Automated Implementation of Executable Object Oriented Models for Real-Time Embedded Control Systems", <u>IEEE</u> , pp. 240-251, (1997)                                 |
|  | Sha, L., et al., "Priority Inheritance Protocols: An Approach to Real-Time Synchronization", <u>IEEE Transactions on Computers</u> , 39 (9), pp. 1175-1185, (Sept. 1990)                                      |
|  | Sha, L., et al., "Solutions For Some Practical Problems In Prioritized Preemptive Scheduling", <u>IEEE</u> , pp. 181-191, (1986)  |

Examiner

R. P. *2/26/04*

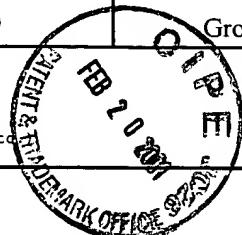
Date Considered

2/26/04

\*Substitute Disclosure Statement Form (PTO-1449)

\*\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

|   |  |                       |
|---|--|-----------------------|
| Form 1449*  | Atty. Docket No.: H16-215538<br>(256.049US1) | Serial No. 09/751,955 |
| INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT<br>(Use several sheets if necessary) | Applicant: Pamela Anne Binns                 |                       |
|   | Filing Date: December 29, 2000               | Group: Unknown        |



## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

\*\*Examiner  
Initial

*M* Spuri, M., et al., "How to Integrate Precedence Constraints and Shared Resources in Real-Time Scheduling", IEEE Transactions on Computers, 43 (12), pp. 1407-1412, (Dec. 1994)

Stoyenko, A.D., "A Schedulability Analyzer for Real-Time Euclid", IEEE, pp. 218-227, (1987)

*C* Sun, J., et al., "Synchronization Protocols in Distributed Real-Time Systems", IEEE, pp. 38-45, (1996)

*C* Vestal, S., "Fixed-Priority Sensitivity Analysis for Linear Compute Time Models", IEEE Transactions on Software Engineering, 20 (4), pp. 308-317, (April 1994)

*C* Vestal, S., "MetaH Support for Real-Time Multi-Processor Avionics", Joint Workshop on Parallel and Distributed Real-Time Systems, Geneva, Switzerland, 10 p., (April 1997)

*C* Vestal, S., "Mode Changes in a Real-Time Architecture Description Language", Second International Workshop on Configurable Distributed Systems, 11 p., (March 1994)

Vestal, S., et al., "Scheduling and Communication in MetaH", Proceedings of the Real-Time Systems Symposium, Raleigh-Durham, NC, 7 p., (Dec. 1993)

*P* Xu, J., et al., "Scheduling Processes with Release Times, Deadlines, Precedence, and Exclusion Relations", IEEE Transactions on Software Engineering, 16 (3), pp. 360-369, (April, 1994)

Examiner

*R. P. Binns*

Date Considered

*1/26/04*

\*Substitute Disclosure Statement Form (PTO-1449)

\*\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)



List of Patents and Publications for Applicant's

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.  
1392Serial No.  
09/751,951

Applicant

Von McConnell, et al

Filing Date:  
December 29, 1000Group:  
2601

## U.S. Patent Documents

See page 1

## Foreign Patent Documents

None

## Other Art

None

## U.S. Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date              | Name                | Class | Sub Class | Filing Date of App. |
|-------------|-----------|-----------------|-------------------|---------------------|-------|-----------|---------------------|
| M           | A1        | 5,592,470       | January 7, 1997   | Rudrapatna, et al.  |       |           | December 21, 1994   |
|             | A2        | 5,600,633       | February 4, 1997  | Jaisingh, et al.    |       |           | February 24, 1995   |
|             | A3        | 5,630,204       | May 13, 1997      | Hylton, et al.      |       |           | July 27, 1995       |
|             | A4        | 5,633,868       | May 27, 1997      | Baldwin, et al.     |       |           | October 17, 1994    |
|             | A5        | 5,729,536       | March 17, 1998    | Doshi, et al.       |       |           | April 10, 1996      |
|             | A6        | 5,970,062       | October 19, 1999  | Bauchot, et al.     |       |           | February 18, 1997   |
|             | A7        | 6,009,096       | December 28, 1999 | Jaisingh, et al.    |       |           | July 18, 1996       |
|             | A8        | 6,018,521       | January 25, 2000  | Keller, et al       |       |           | December 27, 1996   |
|             | A9        | 6,028,933       | February 22, 2000 | Heer, et al.        |       |           | April 17, 1997      |
|             | A10       | 6,034,950       | March 7, 2000     | Sauer, et al.       |       |           | December 27, 1996   |
| V           | A11       | 6,138,022       | October 24, 2000  | Stawczynski, et al. |       |           | July 23, 1997       |

## Foreign Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date | Country | Class | Sub Class | Translation Yes/No |
|-------------|-----------|-----------------|------|---------|-------|-----------|--------------------|
|             | B1        | None            |      |         |       |           |                    |

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation | 8/S/00 |
|-------------|-----------|----------|--------|
|             | C1        | None     |        |